Denny S. Fourt DEPUTY OIL & GAS INSPECTOR

AUG 0 9 1999

Jicarilla Apache Tribe
Environmental Protection Office
P.O. Box 507
Dulce, New Mexico 87528

DECEIVED JUN 2 4 1999

OIL CON. DIV. DISTI. 3

Pit Remediation and Closure Report

Operator:	Taurus Explorat	iơn U.S.A	., Ind	Telephone:	(5Ö5)	325-6800		14 No. 1944
Address:	2198.Bloomfield	Hwy, Far	ming	gton, NM 87401			· · · · · · · · · · · · · · · · · · ·	
Facility or Well	Name:	Jicarilla 1						
Location:	Unit or Qtr/QTR	Sec "H"	Sec	5, T 25 N, R 4 W	Count	у	Rio	Arriba
Pit Type:	Separator:	Dehydrat		Other: X - Aban				
Land Type:	Range							
Pit Location:	Pit dimensions:	length: 2	0 ft	width: 20 ft	depth:	2.5 ft		
(Attach Diagrar	•						-	
	Reference:	wellhead	: X	other:				
1	ge from reference:	15 fe	et		_		•	
Direction	on from reference:	60)	Degrees X	East	North		
						of		
					West	South	<u>X</u>	
Depth To Group	ndwater:			l conthe cont				
(Vertical distant				Less than 50 feet	`	20 points)		
contaminants to			<u> </u>	50 feet to 99 feet	'	10 points)		_
high water elev			G	reater than 100 feet		(0 points)		0
groundwater)								
	Ephemeral Stream			Less than 100 feet	(10 points)		
	dry wash greater th	nan	G	reater than 100 feet		(0 points)		0
ten feet in width)							
Distance to Nea	irest Lake, Playa, d							
	idient lakes, playa, d		•	Less than 100 feet		10 points)		_
	life watering ponds		Gre	eater Than 100 feet		(0 points)		0
	watering pena.	·)						
Wellhead Prote	ction Area:			Yes	11	20 points)		
	eet from a private			No		(0 points)		0
	source, or less tha	n		740		(o bours)	·	
	ill other water sour							
Distance To Sur	faco Motor							
				Less than 100 feet		20 points)		
	nce to perennial	l-a		00 feet to 1000 feet		0 points)		_
rigation canals	ers, streams, cree and ditches)	KS,	Gre	ater than 1000 feet	((0 points)		0
			F.	PANKING SCOPE (1	COTAL:	CODEN.		^

Jicarilla Apache Tribe Environmental Protection Office P.O. Box 507

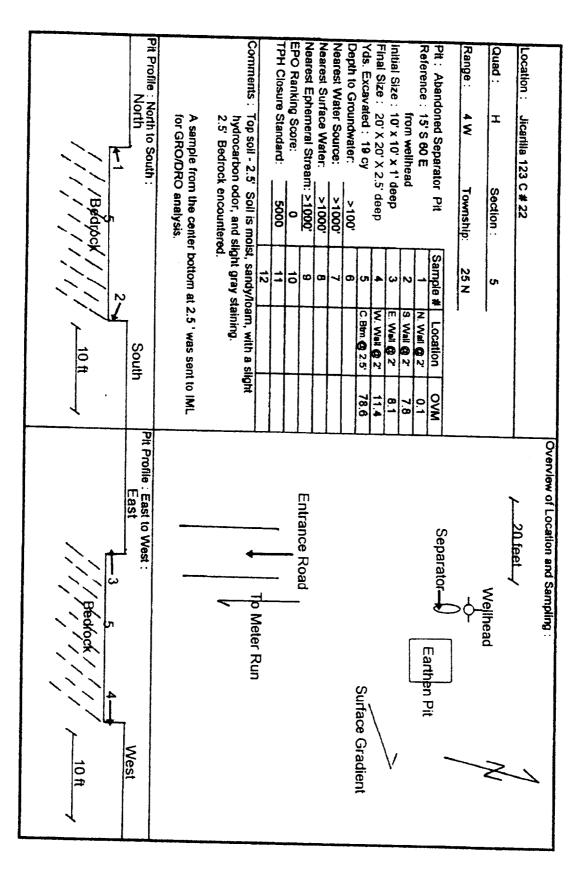
Dulce, New Mexico 87528

Pit Remediation and Closure Report

Data Data Eliza			
Date Remediation Started:	7/22/98	Date Completed	7/24/98
Remediation Method:	Excavation:	X	Approx. cubic yaı 19
(Check all appropriate	Landfarmed:	X	Insitu Bioremediation:
sections)	Other:		
Remediation Location:	On-site:	X	Off-site:
(I.e. landfarmed on site,			
name and location of			
off site location)			
General Description of Remedial	Action:	Soil was excava	ted and landfarmed on location.
Groundwater Encountered:	No: X	Yes:	Depth:
Final Pit	Sample location	: Pit bottom @ 2.5	feet below surface (Bedrock). Pi
Closure Sampling:	walls were anal	vzed for Headspar	ce (see attachment).
(If multiple samples,		,	oo (ooo attaormerk).
attach sample results			
and diagram of sample	Sample depth:	2.5 feet (Bedrock)	1
locations and depths.)	Sample date:		
Sample Results:	•	1724/30	Sample time: 1122
Soil:			Matar
Benzene (ppm)		-	Water:
Total BTEX (ppm)		-	Benzene (ppb)
Field Headspace (ppm)		- E++	Toluene (ppb)
TPH (ppm)			hylbenzene (ppb)
Groundwater Sample:	Yes:		tal Xylenes (ppb)
(If yes, attach sample results.)		•	No: X
, , , , , , , , , , , , , , , , , , , ,			
HEREBY CERTIFY THAT TH	E INFORMATION	ON ABOVE IO T	
THE BEST OF MY KNOWLED	ICE AND BELLI	ON ABOVE 12 11	RUE AND COMPLETE TO
THE BEST OF MIT KINOVVEED	GE AND BELIE	: F	
DATE: 8/26/98			
S/(12. 0/20/96			Frank McDonald
SIGNATURE Anna	RK() 11	AND TITLE	5
SIGNATURE /	y zinse	AND TITLE:	Env. Division Manager
AFTER REVIEW OF THE DIT	CLOCUDE INE	000000000000000000000000000000000000000	
AFTER REVIEW OF THE PIT	CLUSURE INF	ORMATION PIT	CLOSURE IS APPROVED
N ACCORDANCE TO THE JIC	JARILLA APAC	HE IRIBE PIT (CLOSURE ORDINANCE
APPROVED: Yes: 🔀	Ma.	.	
Tes.	No:	(Reason)	
SIGNED: Lett (7)	1. 6	_	6 - 6 -
JOHLD. Jew (1)	10-		DATE: 9-2-98

Client: Taurus Exploration U.S.A. Inc.

Date Started: ___July 22, 1998 Date Completed: ___July 24, 1998 .



Environmental Specialist: VC

Cimarron Oilfield Services

Page __1__ of __1_

2506 W. Main Street Farmington, New Mexico 87401

GASOLINE RANGE ORGANICS - GRO

Taurus Exploration U.S.A., Inc.

Project ID:

Jicarilla 123C #22 Sep. Pit

Sample ID: Lab ID:

C Bottom @ 2.5'

0398G04194

Cool/Intact

Sample Matrix:

Soil

Condition:

Report Date: Date Sampled:

07/31/98

Date Received:

07/24/98 07/27/98

Date Analyzed:

07/29/98

Total Volatile Petroleum Hydrocarbons	10.5	5.0 mg/kg
Gasoline-Range Petroleum Hydrocarbons	7.0	5.0 mg/kg
		API CONCA FIRM
TPH GAS-RANGE (MOD EPA 8015)	RESULT	DETECTION LIMIT

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:

Reported By:

2506 W. Main Street Farmington, New Mexico 87401

DIESEL RANGE ORGANICS - DRO

Taurus Exploration U.S.A., Inc.

Project ID:

Jicarilla 123 C #22 Sep. Pit

Report Date:

07/31/98

Sample ID: Lab ID: C. Bottom @ 2.5' 0398G04194

Date Sampled:

07/24/98 07/27/98

Sample Matrix:

Soil

Date Received: Date Analyzed:

07/29/98

Condition:

Cool/Intact

TPH DIESEL-RANGE (MOD EPA 8015)	SULT DETECTION LIMIT
	SULT DETECTION LIMIT

Diesel-Range Petroleum Hydrocarbons

13

5.0 mg/kg

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:

Reported By:



CHAIN OF CUSTODY RECORD

																,		-			
1633 Terra Avenue Sheridan, Wyoming 82801 Telephone (307) 672-8945	,		Relinquished by: (Signature)	A Complete of Congression	Religion to the (Signature)	elinquisned by: (Signature)										Jic. 1730 #22 18 25 71	<u> </u>	Sample No./	Sampler: (Signature)	Tourns Lxphop	Client/Project Name
1701 Phillips Circle Gillette, Wyoming 82718 Telephone (307) 682-8945	/ Int			\						,,,,				/		7124188 11:22	Date Time	0		an 1151) 1	
2506 W 2718 Farming 2-8945 Telepho	ler-Mountai											/					Lab Number	.•	Chain of Cu	I'M Jin	Proje
2506 West Main Street Farmington, NM 87401 Telephone (505) 326-4737	Inter-Mountain Laboratories	200	Time	Time	2											50:1	Matrix		Chain of Custody Tape No.	Jianilla 1236	ct I ocation
1160 Research Drive Bozeman, Montana 59718 Telephone (406) 586-8450	ies Inc	neceived by Japoratory: (Signature)	2000	Received by: (Signature)	C)000 1(000)	Received by: (Signature)										-	No Co	o. of ontain	ers	Separator	
11183 State Hwy. 30 1718 College Station, TX 77845 1450 Telephone (409) 776-8945		y: (Signature)		re)	Church (Cost)	rre)	<u>-</u> -											Roj	100	ANALYSES / PARAMETERS	
54254 8945		Date	-	Date	7/10/18	Date					0,	101/1/1/1/	1/1/7						Remarks	METERS	
4.1		S/ Imme		Time	/ .(<u>)</u>	Time				ľ			7								

JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 DULCE, NEW MEXICO 87528

ON-SITE SOIL REMEDIATION REPORT

Operator: Taurus Exploration USA Inc.	Telephone: (505) 325 - 6800
Address: 2198 Bloomfield Hwy, Farming	
Facility or Well Name: <u>Jicarilla 123 C 22</u>	,
Location: Unit or Qtr/Qtr Sec_H_Sec_	5 T 25 N R 4 W County Rio Arriba
Land Type: Range	
Date Remediation Started: 7/22/98 Da	ate Completed: 12/14/98
Remediation Method: Landfarmed X	
Composted	
Other	_
Depth to Groundwater: (pts)0	Final Closure Sampling:
Distance to an Ephemeral Stream (pts) 0	Sampling Date: <u>12/14/98</u> Time: <u>13:50</u>
Distance to Nearest Lake, Playa, or Watering Pond (pts)0	Sample Results:
Wellhead Protection Area (pts)0	Field Headspace (ppm) <u>.7</u> TPH (ppm) <u><10</u> Method <u>8015</u>
Distance to Surface Water (pts)0	Other:
RANKING SCORE (TOTAL POINTS): 0	Other.
I HEREBY CERTIFY THAT THE INFORMATION ABO KNOWLEDGE AND BELIEF DATE: 1/7/99 PRINTED NA	
SIGNATURE / /	AND TITLE ENV. SPECIALIST
AFTER REVIEW OF THE SOIL REMEDIATION INFOR APPROVED IN ACCORDANCE TO THE BEARILLA A APPROVED: YESNO (REASON)	MATION. ON-SITE SOIL REMEDIATION IS PACHE TRIBE PIT CLOSURE ORDINANCE.
SIGNED: DA	TE: 1-20- 23 99 Hcm

Environmental Specialist : VC Comments: Soil is moist, brown, sandy/loam with no visible staining or detectable hydrocarbon odor.

A sample from composite # 1 was sent to IML for GRO/DRO analysis. Yds: Size: Pit: Quad: Reference 80' S 45 W Township: Location: Jicarilla 123 C 22 5 - Point Composites 19 25' x 25' x 1' deep Separator from wellhead 25 N I Section: Range Sample # 4 W 12 ᇹ 9 8 တ Ġ ω S Comp 1 Location MVO 0.7 Overview of Landfarm and Sampling: Landfarm Ent rance separator wel I head Separator Fit Surface Gradient Nort h

Client:

Taurus Exploration USA Inc.

Date Started: July 22, 1998 Date Completed: December 14, 1998

Ranking Score: 0_Closure Standard: 5000 ppm

Cimarron Oilfield Services

Page _1_ of _1

Phone (505) 326-4737 Fax (505) 325-4182

2506 West Main Street, Farmington, NM 87401

GASOLINE RANGE ORGANICS - GRO

ENERGEN RESOURCES

Project ID:

Jicarilla 123 C22

Sample ID:

Comp #1

Lab ID:

0398G07316

Sample Matrix: Condition:

Soil

Cool/Intact

Report Date:

12/31/98

Date Sampled:

12/14/98

Date Received:

12/15/98

Date Analyzed:

12/30/98*

TOU	E (MOD EPA 8015)

RESULT

DETECTION LIMIT

Gasoline-Range Petroleum Hydrocarbons

<5.0

5.0 mg/Kg

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:

*Sample was analyzed within the holding times, however, due to instrument problems and

QC failure, the sample had to be re-analyzed to verify results.

Réported By

Phone (505) 326-4737 Fax (505) 325-4182

2506 West Main Street, Farmington NM 87401

DIESEL RANGE ORGANICS - DRO

ENERGEN RESOURCES

Project ID:

Jicarilla 123 C22

Sample ID:

Comp #1

Lab ID:

0398G07316

Cool/Intact

Sample Matrix: Condition:

Soil

Report Date:

12/31/98

Date Sampled:

12/14/98

Date Received:

12/15/98

Date Analyzed:

12/30/98

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															-		_	_	_	

RESULT

DETECTION LIMIT

Diesel-Range Petroleum Hydrocarbons

<5.0

5.0 mg/Kg

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:

Reported By:



CHAIN OF CUSTODY RECORD

1633 Terra Avenue Sheridan, Wyoming 82801 Telephone (307) 672-8945		Relinquished by: (Signature)	Relinquished by: (Signature)									11/2 1/2/	Identification	Sample No./		Sampler: (Signature)	
							<u></u>			_		12/14/42	Date			٠,	Sauces
1701 Phillips Circle Gillette, Wyoming 82718 Telephone (307) 682-8945	-						\					1550	Time	<i>ا</i> ,د		Ì	
THEF-IVIOUFILAIFI LADOFALOFIES, INC Cle 2506 West Main Street 1160 Res g 82718 Farmington, NM 87401 Bozeman, 682-8945 Telephone (505) 326-4737 Telephone													Lab Number			Chai	
2506 Wes Farmingto								•					nber	· · · · · · · · · · · · · · · · · · ·		Chain of Custody Tape No.	Project
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eet 101 1-4737		Time	Time									1	Matrix			lo.	123.022
	neceived by laboratory: (Signature)	Received	Received														22
earch Drive Montana 59718 (406) 586-8450	U)/	Received by: (Signature)	Received by: (Signature)									/		o. of ontain		/	
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11183 State Hwy. 30 College Station, TX 77845	00							-		 					_		ES / PA
30 X 77845 76-8945						70	1 2 1		-						He He	,	ANALYSES / PARAMETERS
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